

~~JP 07-085621~~
JP 07085621A

Mar. 31, 1995

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STRUCTURE FOR SUPPORTING MAGNETIC
HEAD SLIDER

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APPL NO: JP 05226897
DATE FILED: Sep. 13, 1993
INT-CL: G11B21/20

ABSTRACT:

PURPOSE: To lower the contact probability of a magnetic head slider and a magnetic disk

CONSTITUTION: A piezoelectric element 2 is mounted at the magnetic head slider 1 having the magnetic head. Both end faces of the piezoelectric element 2 are provided with electrodes 3 and lead wires 4 are connected to these electrode parts. The magnetic head slider 1 and the piezoelectric element 2 are mounted at a flexible member 5 and a supporting spring structure 6. The piezoelectric element 2 elongates in the longitudinal direction of the magnetic head slider 1 when a voltage is applied to the lead wires 4. As a result, the magnetic head slider 1 is displaced in an air inflow end direction with respect to the flexible member 5 and, therefore, the apparent load point of the magnetic head slider 1 changes.

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